

Pasco Resource Recovery Center

Case Study

Turnkey design, build, finance, and operation of state-of-the-art wastewater treatment and reuse facility

Overview

The Pasco Resource Recovery Center ("PRRC") is a partnership between Burnham and the City of Pasco to expand the city's industrial wastewater treatment capabilities.

This new facility turns industrial process water into clean water, generates Renewable Natural Gas ("RNG") and helps the region grow agribusiness jobs and opportunities as it emerges as a leading center for food production and processing.



Challenge

Pasco's Process Water Reuse Facility (PWRF) lacked capacity to meet growing industry and environmental needs.

The PWRF was at capacity

- The 25+ year old facility could not process more wastewater without significant upgrades, inhibiting the growth of the agribusiness industry in the region.

Support of the food processing industry's growth required a new facility

- Strong environmental performance is critical to industry and regional growth: Processors, consumers, regulators, and the local community are continuously increasing expectations around sustainability performance.



The Solution

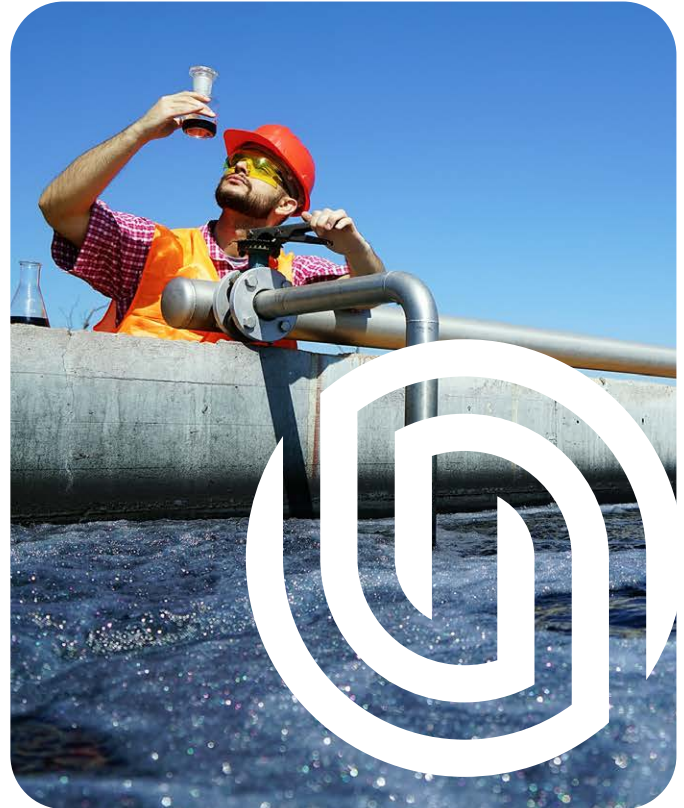
A new facility with increased capacity and improved environmental impact.

The facility meets demand, re-uses water, optimizes nutrients, and produces clean energy

- Fully treats wastewater, enabling hundreds of millions of gallons of water reuse
- Reduces wastewater treatment costs and emissions by capturing biogas generated through anaerobic digestion and converting it to RNG
- Substantially mitigates odors
- Removes excess nutrients from the wastewater

Meets Current & Future Opportunities

- Provides capacity to meet current & future growth in food processing sector
- Supports continued long-term markets in Pasco for the local agricultural industry with a long-term, sustainable investment in water treatment



Results:

1.5+ Billion Gallons

Of water reused annually. Supporting eight area food processors.

18 Months

To achieve Commercial Operating Date. On time and operational since 2024.

4,500 Homes

Worth of clean energy produced annually via RNG, helping to sustainably offset treatment costs.

Full Compliance

Full regulatory compliance achieved, earning a 2024 Wastewater Digest Top Project Award.



Interested in learning more?

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About Burnham

Burnham is solving the \$200 billion water infrastructure funding gap. We are a water and wastewater infrastructure company that partners with public utilities to solve challenges including water scarcity, non-compliance, capacity constraints, and increasing costs. Burnham's Collaborative Delivery Model provides custom solutions for each partner, determines the optimal structure to reduce risk, improve delivery, and guarantee the best long-term outcome. We move fast to execute end-to-end: design, build, finance, operate, and maintain, assuming construction and operational risk. Burnham is one of Inc. Magazine's fastest growing companies and a Wastewater Digest Top Project award recipient.